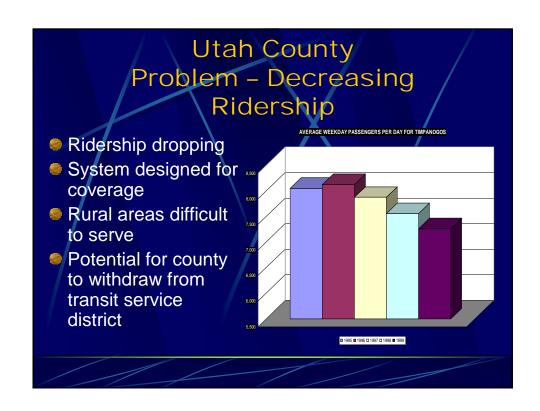
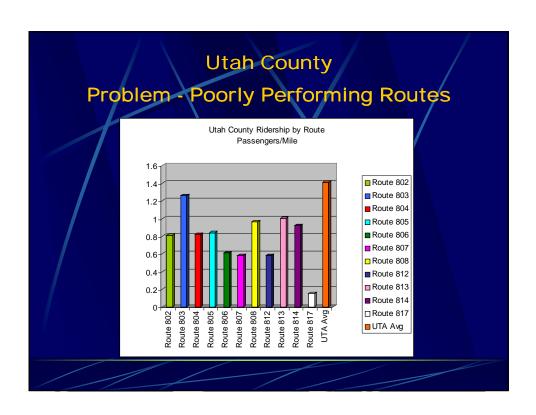


# ITS Development at UTA

- Understanding practical uses
- Highest priority automated passenger counters
- Biggest payoff for lowest cost
- 18 month test deployment of APCs
- 50 bus full deployment near completion





# Solution Strategy

- Preliminary analysis to understand the nature of the problem
  - What are the transit markets?
  - Where are our customer's origins?
  - What are their destinations?
  - What are the demographic profiles of the service area?

# Solution Strategy

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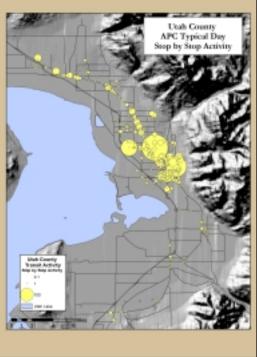
## Three Phase Market Analysis

- Current ridership
  - Sample every trip
- Survey of current customers
  - 2 markets, local & express
  - Customer profiles
  - Trip purposes
- Market location
  - Demographic data and GIS

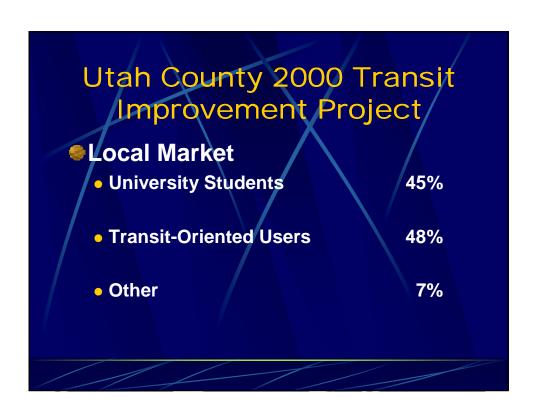
# APC Process

- Three APCs used to gather all information
- Sample all trips at least three times
- Information to be reported at Service Development team meetings

APC Graphic Pre-Change Spatial Distribution



# Survey Results Express Market - Commuters, Diverse Characteristics Local market Students Transit dependant Lower income Renters Service industries



# Utah County 2000 Transit Improvement Project

### Of all local market trips,

### students account for:

- 81% of school trips.
- 24% of work trips.
- 47% of shopping trips.
- 47% of recreation trips.
- 27% of medical trips
- 29% of misc. reasons.

### transit-oriented users account for:

- 17% of school trips.
- 65% of work trips.
- 48% of shopping trips.
- 50% of recreation trips.
- 71% of medical trips
- 63% of misc. reasons.

### Pre - Change Routes

- •Designed for Coverage
- Created as various cities joined service district
- Long routes and low frequency



